INTERNATIONALSEARCHREPORT

International application No. PCT/JP2005/008267

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. B41J2/01, B65H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl. B41J2/01, B65H5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2005
Registered utility model specifications of Japan 1996-2005
Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A.	EP 1238812 A1 (RICOH CO., LTD.) 2002.09.11, page 19, paragraphs 0058 and 0059; Figs. 2 and 3 & US 2002/0126193 A1 & JP 2003-103857 A		1-15
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* Special "A" docume consider "E" earlier al national docume is cited special "O" docume means "P" docume than the	categories of cited documents: In defining the general state of the art which is not red to be of particular relevance application or patent but published on or after the interfiling date in which may throw doubts on priority claim(s) or which to establish the publication date of another citation or other reason (as specified) intreferring to an oral disclosure, use, exhibition or other priority date claimed	"X" document of particular relevance; to be considered novel or cannot be inventive step when the document is document of particular relevance; to be considered to involve an inventive step when the considered to involve an inventive combined with one or more of combination being obvious to a persum document member of the same patents.	triying the invention he claimed invention cannot considered to involve an staken alone he claimed invention cannot the step when the document is her such documents, such con skilled in the art
	ctual completion of the international search	Date of mailing of the international sea 02.8.2	_
	ailing address of the ISA/IP Iapan Patent Office unigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer Shinichi Shimada	3B 3616